

**Amendments to the Claims**

1. (Previously presented) A deposition system comprising:
  - a deposition chamber having an inlet port;
  - a first reservoir external to the deposition chamber configured for containment of a first metastable specie, the first reservoir comprising an outlet port in selective fluid communication with the inlet port of the deposition chamber; and
  - a metastable-specie generating catalyst within the first reservoir.
2. (Original) The deposition system of claim 1 wherein the catalyst comprises Pt.
3. (Original) The deposition system of claim 1 wherein the catalyst comprises Zn.
4. (Original) The deposition system of claim 1 further comprising a heat source configured to heat the catalyst.
5. (Original) The deposition system of claim 1 further comprising a carrier gas source in selective fluid communication with the deposition chamber through the inlet port.

6. (Original) The deposition system of claim 1 further comprising:

a substrate platform; and

a dispersion head between the inlet port and the substrate platform.

7. (Original) The deposition system of claim 1 further comprising:

a second reservoir configured for containment of a second metastable specie, the second reservoir comprising a second reservoir outlet port in selective fluid communication with the deposition chamber.

8. (Original) The deposition system of claim 7 wherein the inlet port of the deposition chamber is a first inlet port, the deposition chamber further comprising a second inlet port, wherein the outlet port of the second reservoir is in selective fluid communication with the deposition chamber through the second inlet port.

9. (Original) The deposition system of claim 7 wherein the metastable-specie generating catalyst is a first metastable-specie generating catalyst, and further comprising a second metastable-specie generating catalyst within the second reservoir.

10. (Original) The deposition system of claim 7 further comprising a carrier gas source in selective fluid communication with the deposition chamber through the second inlet port.

11. (Original) The deposition system of claim 7 further comprising:  
a remote metastable specie source, wherein the second reservoir comprises an inlet port in fluid communication with the remote metastable specie source.
12. (Previously presented) The deposition system of claim 11 wherein the remote metastable specie source comprises a metastable specie generator comprising one or more of a plasma source, a catalyst, a heater, an electron gun, a UV light source and a microwave source.

Claims 13-48 (Cancelled).